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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/798,010	03/11/2004	Kevin Len Li Lim	70040128-1	8799

7590 06/03/2005
AGILENT TECHNOLOGIES, INC.
Legal Department, DL429
Intellectual Property Administration
P.O. Box 7599
Loveland, CO 80537-0599

EXAMINER

CABUCOS, MARIE G

ART UNIT	PAPER NUMBER
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2821

DATE MAILED: 06/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/798,010	Applicant(s) LIM ET AL.	
	Examiner Marie Antoinette Cabucos	Art Unit 2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 3/11/2004.
- 4) ☐ Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Stam et al (2002/0047624).

Claims 1, 3 and 11, Stam discloses of a light system comprising a light source that includes multiple of light emitting diodes (D1-6, page 2 paragraph 0025); and feedback control system (figure 4) configured to detect light that is output from the light source and to adjust the light that is output from the light source in response to the light detection (106). (See figure 4)

Claims 2, 4, 6-10, 12-14, Stam discloses of the feedback control system which includes sensor (106) configured to provide a controller (401) a signal to control the drive current of the colored LEDS on a per-color basis as described in page 2, paragraph 0024 and figure 4 of the prior art.

Claim 5, Stam further disclose of LED being a variety of types (page 2, paragraph 0026).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stam in view of Berg-johansen(2003/0214242).

Claim 15, Stam discloses all the claim elements as set forth above, except for the light system comprising an LCD panel. Berg-johansen discloses a light system which controls the light level generated by a light source functioning as a backlight for an LCD panel (see page 2 paragraph 0027). It would have been obvious by one having ordinary skill in the art, at the time of the invention, to use the light system of Stam to backlight an LCD as taught in Berg-johansen to make the display readable under a variety of lighting conditions such as in avionics displays.

2. Claim 16-20, Stam further discloses of a feedback control system which includes a sensor (106) configured to provide a controller (401) a signal to control the drive current of the colored LEDS on a per-color basis as described in page 2, paragraph 0024 and figure 4 of the prior art. Stam discloses all the claim elements as set forth previously, except for the LCD backlight system as taught in Berg-johansen mentioned above (see page 2 paragraph 0027). It would have been obvious by one having ordinary skill in the art, at the time of the invention, to use the light system of Stam with color LEDS controlled on a per-color basis to backlight an LCD panel as taught in Berg-johansen for an aesthetic purpose with the addition of color.

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Conclusion

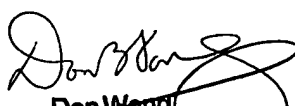
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patents of Hunter (5,724,062), Muthu et al (6,441,046 and 6,576,881), Kim et al (6,265,833 and 2004/0061814), Chliwnyj et al (2001/0033488), Fregoso (2004/0195975), Ouderkirk (2004/0145895) and Lys et al (2003/0100837) teaches similar devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie Antoinette Cabucos whose telephone number is 571-272-8582. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marie Antoinette Cabucos
5/25/2005


Don Wong
Supervisory Patent Examiner
Technology Center 2800